



Exhibit 11: Additional Information in Response to 47 CFR Ch1. 1 Sec. 2.1033

External Radio Frequency Power Amplifier ACOM 2000A Model 2000A

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Section c.1.

The "ACOM2000A" will be assembled and production testing performed in the Republic of Bulgaria by the private company "ACOM, OOD". ACOM, OOD has designed and manufactured external radio power amplifiers for amateur use since 1990. The company presently manufacturers the Alpha 91B HF Linear Amplifier, FCC ID:DGVPA-91B , marketed in the United States by Alpha/Power, Inc. of Colorado Springs, Colorado. ACOM, OOD is located at Lulin Complex, 3011 Street #9, 1324 Sofia, Bulgaria. The president and principal owner of ACOM, OOD is Mr. Vassil M. Vassilev. No FCC manufacturer code has previously been assigned to ACOM, OOD.

Applicant for certification, ACOM International, Inc. is the exclusive distributor of ACOM, OOD products in North America. With respect to the subject "ACOM2000A" equipment, Applicant is responsible for compliance with FCC rules. ACOM International is located at 157 Horse Pond Road, Sudbury, Massachusetts, USA 01776. No FCC manufacturer code has previously been assigned to ACOM International, Inc.

Applicant has conducted or observed all design-proof testing and will re-test samples of production equipment on an ongoing basis to assure conformance to Applicant's quality standards, including all FCC regulatory requirements.

Section c.2

This product, designated "ACOM2000A Automatic HF Linear Amplifier," hereafter "ACOM2000A," is a 1.5 kW external radio frequency power amplifier. The ACOM2000A will be marketed in the United States for use in the Amateur Radio Service. The FCC identifier for the ACOM2000A will be: OITAA2000

Section c.3

A copy of the Installation and Operating Instructions for the ACOM2000A is included as Exhibit 7.

Section c.4

The equipment is suitable for all types of emission authorized for amateur HF use in 97.305 of the FCC rules.

Section c.5

The equipment is designed to meet all specifications and FCC performance standards on authorized amateur bands from 1.8 to 29.7 MHz. When delivered to any buyer within FCC's jurisdiction, the equipment is operable on amateur bands only from 1.8 through 21.450 MHz. Means by which FCC 97.317(b) is met are described in Exhibit 12.

Section c.6

The equipment can be operated at any power level up to 1,500 Watts. Operation at lower power levels is possible by reducing the RF excitation level. The ACOM 2000A provides a peak-reading LED bar graph for monitoring output power levels.

Section c.7

The equipment is rated for and limited to maximum RF power output of 1,500 Watts, as provided in Part 97 of the FCC rules.

Section c.8

Nominal voltages and currents at rated output are:

DC plate voltage – 2300 volts

DC plate current - 1.0 Ampere

DC screen voltage - 340 volts

DC grid bias - -55 volts

Section c.9

The equipment utilizes a microprocessor-driven automatic tuning circuit on all radio amateur frequencies. Input excitation is applied to a level of 10 to 20 Watts, as measured by the internal power sensing circuit. When the input level is within this range, the automatic tuning circuit is activated. The tuning algorithm coded in the microprocessor ensures that a proper match is obtained with antenna loads presenting VSWR as high as 3:1.

Section c.10

Several features of the ACOM2000A design are specifically intended to reduce spurious radiation to a minimum.

In the input circuit, a non-inductive resistor load ensures that VSWR of 1.2:1 or less is presented to the exciter at the RF input terminal over the entire frequency range and up to the maximum input power.

The output circuit comprises a classic Pi-L network, which suppresses the harmonic emissions.

The ACOM2000A incorporates an output power sensing circuit and ALC, which limits the amplifier output power to 1.5kW.

Schematic diagrams of the input and output matching circuits and power limiting circuits are included in Exhibit 4.

Section c.11

A photograph showing the design of the FCC identification label for the ACOM2000A is included as Exhibit 1.

Section c.12

Photographs showing the construction and layout of the ACOM2000A are included as Exhibits 2 and 9.

Section c.13

Not applicable to external power amplifier.

Section c.14

Not applicable, as provided in Section c.15.

Section c.15

Measurement data indicating compliance with requirements of Part 97.307 and Part 97.317 is included as Exhibit 5.

Section c.16

Not applicable to external RF power amplifier.

Section c.17

Not applicable to external RF power amplifier. The subject equipment application is not part of a composite system.